

SEQUENCE LISTING

<110> POQUET, ISABELLE
LLULL, DANIEL

<120> ZINC-REGULATED PROKARYOTIC EXPRESSION CASSETTES

<130> 1169-034

<140> 10/525,449
<141> 2005-02-24

<150> PCT/FR03/02606
<151> 2003-08-29

<150> FR 02 10805
<151> 2002-08-30

<160> 16

<170> PatentIn Ver. 3.3

<210> 1
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Consensus
sequence of the pzn bacterial promoter

<220>
<221> modified_base
<222> (9)
<223> a, c, g, or t

<220>
<221> modified_base
<222> (12)..(18)
<223> a, c, g, or t

<220>
<221> -35_signal
<222> (19)..(24)

<400> 1
aaaaataang tnnnnnnntt gacattattt tt

<210> 2
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Consensus
sequence of the pzn bacterial promoter

<220>
 <221> modified_base
 <222> (9)
 <223> a, c, g, or t

<220>
 <221> modified_base
 <222> (12)..(18)
 <223> a, c, g, or t

<220>
 <221> -35_signal
 <222> (19)..(24)

<220>
 <221> modified_base
 <222> (33)..(41)
 <223> a, c, g, or t

<220>
 <221> -10_signal
 <222> (42)..(47)

<400> 2
 aaaaataang tnnnnnnntt gacattattt ttnnnnnnnn ntataat

47

<210> 3
 <211> 32
 <212> DNA
 <213> Lactococcus lactis

<220>
 <221> -35_signal
 <222> (19)..(24)

<400> 3
 aaaaataayg ttaactgggtt gacattattt tt

32

<210> 4
 <211> 56
 <212> DNA
 <213> Lactococcus lactis

<220>
 <221> -35_signal
 <222> (19)..(24)

<220>
 <221> -10_signal
 <222> (42)..(47)

<400> 4
 aaaaataatg ttaactgggtt gacattattt ttactttgct atataattaa ccagta

56

<210> 5
 <211> 57
 <212> DNA
 <213> Lactococcus lactis

<220>
 <221> -35_signal
 <222> (20)..(25)

<220>
 <221> -10_signal
 <222> (43)..(48)

<400> 5
 aaaaaataac gttaactggt tgacattatt ttttctttgc tatataatta accagta 57

<210> 6
 <211> 25
 <212> PRT
 <213> Lactococcus lactis

<400> 6
 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
 1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala
 20 25

<210> 7
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR
 primer

<400> 7
 ctaatgagcg ggcttttt 18

<210> 8
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR
 primer

<400> 8
 gctctagagc gggatccttc atcgaaactc ttcag 35

<210> 9
 <211> 1100
 <212> DNA
 <213> *Lactococcus lactis*

<220>
 <221> -35_signal
 <222> (295)..(300)

<220>
 <221> -10_signal
 <222> (318)..(323)

<220>
 <221> RBS
 <222> (343)..(348)

<220>
 <221> modified_base
 <222> (362)
 <223> a, c, g, or t

<220>
 <221> modified_base
 <222> (412)
 <223> a, c, g, or t

<220>
 <221> modified_base
 <222> (445)
 <223> a, c, g, or t

<220>
 <221> RBS
 <222> (780)..(786)

<400> 9
 cacaggaaac agctatgacc atgattacgc caagctcgaa attaacccctc actaaaggga 60
 acaaaaagctg ggtaccgggc cccccctcga ggtcgacggt atcgatagcc cgcctaataga 120
 gcgggctttt ttttgatata gaattaccgc ggaattcaga tctttgatca aggatctgtc 180
 agctgggttca actagcgggtg gtcaaaactgt tagtaataaa acttattggt ttgatgttcg 240
 gcttaaggat ggaaggattt ttcaaatata aaagtaaaaa ataatgttaa ctgggttgaca 300
 ttatttttac tttgctatat aattaaccag taaactaatt atggaggaca aaatactatg 360
 anttttagcaa atcaaatcga ccagtttctt ggggcaatta tgcagtttgc anaaaacaag 420
 catgaaatat tactcggcga atgcnaaagt aatgttaagc taacaagcac gcaagaacat 480
 atcttaatga ttctagctgc agaggtttcg acaaacgcga gaattgccga gcaactcaag 540
 atttcgccag cagcggtaac taaagctctc aaaaaattac aagagcaaga actgattaaa 600
 tcaagtcggg caacaaatga cgaacgcgta gtcctttgga gcctgacaga aaaagcaatt 660
 ccagttgcta aagaacatgc tgctcatcat gagaaaactc taagtacctc ccaagaatta 720
 ggagacaaat ttactgacga agaacaaaaa gtgataagtc aattcttata agtacttacg 780
 gaggagtttc gatgaagaaa atattgatgt tatttgctat tccggcagtt ttacttcttg 840
 ctggttgatca aaaaacagca gacaaaccag aagttgtgac aacttttgag ccgatgtatg 900
 aatttacgaa agcgattgtt ggagataagg ttaaaattga aaatattggt cgggcgaatc 960
 aagaagttca cgaatttgaa ccgagtgcca ttacgaaaaa aatggtagaa aatgcaaaga 1020
 aaattgaagt cgagtttgac aaaggtcaaa gaactgataa atatggacgt ggcttagcgt 1080
 atatttatgc tgatggaaaa 1100

<210> 10
 <211> 160
 <212> DNA
 <213> Lactococcus lactis

<220>
 <221> -35_signal
 <222> (123)..(128)

<220>
 <221> -10_signal
 <222> (146)..(151)

<400> 10
 gatctgtcag ctggttcaac tagcgggtggt caaactgtta gtaataaaac ttattgtttt 60
 gatgttcggc ttaaggatgg aaggattttt caaataaaaa agtaaaaaat aatgttaact 120
 gggtgacatt atttttactt tgctatataa ttaaccagta 160

<210> 11
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR
 primer

<400> 11
 caggaaacag ctatgacc

18

<210> 12
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR
 primer

<400> 12
 gttctaagga tccattaact taaggag

27

<210> 13
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR
 primer

<400> 13
 tttgtgatgc atatgcaaata acaacggctg ttg

33

<210> 14
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 14
 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
 1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala Tyr Ala
 20 25

<210> 15
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR primer

<400> 15
 cgcggatcct ttgaaaggat attcctc

27

<210> 16
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic PCR primer

<400> 16
 cctacgtatt agaaatgaat gttaaagc

28